

**BUTANOL RECOVERY FROM SYNTHETIC FERMENTATION BROTH
VIA GAS STRIPPING**

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**BACHELOR OF CHEMICAL ENGINEERING
UNIVERSITI MALAYSIA PAHANG**

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STRIPPING**

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for the award of the degree of
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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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LIST OF ABBREVIATION

ABE	Acetone butanol ethanol
DOE	Design of experiment
GC	Gas chromatography
FID	Flame ionization detector
OFAT	One factor at time
ANOVA	Analysis of variance
Spp	Species